Cable Matters 201065-6

Cable Matters USB C to RJ45 Console Cable User Manual

Model: 201065-6

Introduction

The Cable Matters USB C to RJ45 Console Cable provides a direct connection solution for configuring networking equipment such as switches, routers, and servers. This 6-foot cable eliminates the need for adapters, offering a convenient and reliable way to establish a console connection from your computer's USB-C port to an RJ45 console port. It features an integrated FTDI chipset for robust performance and broad compatibility with various operating systems.



Image: The Cable Matters USB C to RJ45 Console Cable, illustrating the USB-C connector, the inline FTDI chipset, and the RJ45 console connector.

Setup

Follow these steps to set up your USB C to RJ45 Console Cable:

1. **Driver Installation:** For most modern operating systems like Windows 10 and the latest macOS versions, FTDI drivers are often included and installed automatically upon connecting the cable. If drivers are not automatically installed, you may need to download them from the Cable Matters support website. Refer to the official user guide (PDF) for detailed driver installation instructions.
2. **Connect USB-C End:** Insert the USB-C connector of the cable into an available USB-C port on your computer (laptop, desktop, or even compatible Android phone).
3. **Connect RJ45 End:** Insert the RJ45 connector into the console port of your networking device (router, switch, server, or wireless access point). Ensure it is securely seated. The cable features a snagless RJ45 connector to

prevent damage during connection and disconnection.



Image: A close-up view of the USB-C connector, designed for modern computer ports.



Image: A detailed view of the RJ45 connector, highlighting its snagless clip protector for secure and reliable connections.

Operating Instructions

Once the cable is physically connected and drivers are installed, you can begin configuring your networking equipment. This cable is specifically designed for console access and should **not** be used as a standard Ethernet cable for network data transfer.

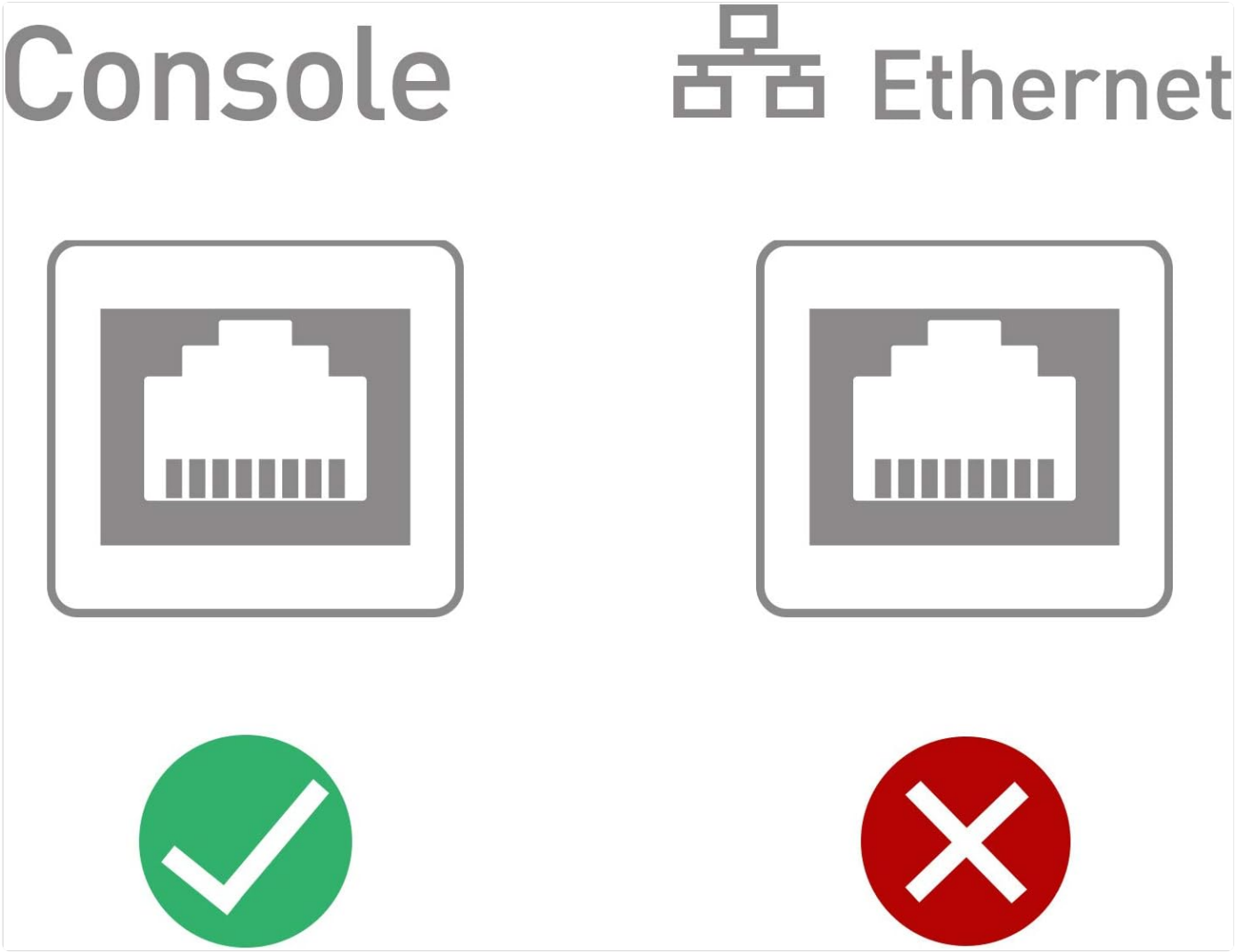


Image: A visual guide indicating that the cable is for console connections (✓) and not for standard Ethernet connections (✗).

Using with Terminal Emulation Software:

You will need terminal emulation software (e.g., PuTTY, Tera Term, SecureCRT for Windows; Screen, minicom, or iTerm2 for macOS/Linux) to communicate with your networking device. The cable uses a standard Cisco USB to RJ45 pin-out, reversing all 8 pins for rollover functionality.

- **Identify the Serial Port:** After connecting the cable, your operating system will assign a virtual serial port (e.g., COM port on Windows, /dev/cu.usbserial-XXXX on macOS/Linux). You can find this in Device Manager (Windows) or by using commands like `ls -l /dev/cu.*` (macOS/Linux).
- **Configure Terminal Software:**
  - Select the identified serial port.
  - Set the baud rate (common rates include 9600, 19200, 38400, 57600, 115200). The correct baud rate depends on your networking device's console port settings.
  - Set data bits to 8, parity to None, stop bits to 1, and flow control to None (8N1).
- **Establish Connection:** Open the serial connection in your terminal software. You should now be able to send commands to and receive output from your networking device.



Image: The console cable, indicating that drivers are available for download if needed.

Maintenance

To ensure the longevity and optimal performance of your Cable Matters USB C to RJ45 Console Cable, follow these maintenance guidelines:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling the cable, especially around the connectors, to prevent internal wire damage.

- **Cleaning:** Use a soft, dry cloth to clean the cable and connectors. Do not use liquid cleaners or solvents, as they may damage the cable's insulation or internal components.
- **Handling:** Always grasp the connector housing when plugging or unplugging the cable. Avoid pulling on the cable itself, as this can strain the internal wires and lead to damage.
- **Protection:** The RJ45 connector features a snagless clip protector. Ensure this protector is intact to prevent the tab from breaking off, which could cause the connector to become stuck or lose connection.



Image: The console cable coiled for storage, demonstrating proper handling to maintain its integrity.

Troubleshooting

If you encounter issues with your USB C to RJ45 Console Cable, consider the following troubleshooting steps:

- **No Device Detected / Driver Issues:**

- **Check Device Manager (Windows) / System Information (macOS):** Verify that the cable is recognized by your computer. Look for "USB Serial Port" or similar entries.
- **Manual Driver Installation:** If not detected, download and install the latest FTDI drivers directly from the Cable Matters support website or FTDI's official site.
- **Try Different USB-C Port:** Test the cable in another USB-C port on your computer.

- **No Output in Terminal Software:**
  - **Verify Port Selection:** Ensure you have selected the correct serial port in your terminal emulation software.
  - **Check Baud Rate:** The most common cause of garbled or no output is an incorrect baud rate. Cycle through common baud rates (9600, 19200, 38400, 57600, 115200) until you find one that works.
  - **Confirm 8N1 Settings:** Ensure data bits are 8, parity is None, and stop bits are 1. Flow control should typically be None.
  - **Cable Seating:** Disconnect and reconnect both the USB-C and RJ45 ends to ensure a firm connection.
  - **Device Console Port Status:** Ensure the networking device's console port is enabled and functioning correctly.
- **Intermittent Connection:**
  - **Cable Integrity:** Inspect the cable for any visible damage, kinks, or frayed areas.
  - **Port Stability:** Ensure the USB-C port on your computer and the RJ45 port on your networking device are clean and free of debris.

Specifications

Feature	Detail
Brand	Cable Matters
Model Number	201065-6
Connector Type	USB Type C, RJ45
Cable Type	USB Console Cable
Compatible Devices	Laptop, Networking Switches, Routers, Servers
Connector Gender	Male-to-Male
Cable Length	6 feet (approximately 1.8 meters)
Integrated Chipset	FTDI
Pin Configuration	Cisco USB to RJ45 rollover pin-out
Outer Material	Flexible PVC
Item Weight	2.46 ounces (approximately 0.07 kg)
Product Dimensions	5.31 x 4.53 x 0.91 inches
Country of Origin	China



Pin/ Function	Color
1/CTS	Black
2/DSR	Brown
3/RXD	Red
4/GND	Orange
5/GND	Yellow
6/TXD	Green
7/DTR	Blue
8/RTS	White

Image: Detailed pinout diagram for the RJ45 connector, showing pin functions and corresponding wire colors.

Warranty and Support

Cable Matters products are backed by a limited warranty. For specific warranty terms and conditions, please refer to the official Cable Matters website or contact their customer support.
For technical support, driver downloads, or further assistance, please visit the official Cable Matters support page:

Cable Matters Support Website

You can also refer to the User Guide (PDF) for additional information.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question